

What is claimed is:

1. A fixing assembly, comprising:

a clip adapted to attach a heat sink to an electronic package, the clip comprising a main body and an operating arm pivotally attached to the main body, two locking arms depending from the main body, a guiding portion formed at each of the locking arms; and

a fixing device adapted to secure a fan on the heat sink, the fixing device comprising a top plate adapted to secure the fan thereon, and a support plate supporting the clip thereon, two opposite ends of the fixing device forming two tongues and defining two through holes thereat; wherein

the main body of the clip rests on the support plate of the fixing device, the locking arms of the clip extend through the through holes of the fixing device, and wherein when the locking arms are moved in a first direction, the guiding portions are guided by the tongues in second and third directions, the second and third directions being opposite to each other and perpendicular to the first direction.

2. The fixing assembly as described in claim 1, wherein the operating arm comprises a handle and a cam portion, and the cam portion is rotated to drive the main body to move in the first direction.

3. The fixing assembly as described in claim 1, wherein the fixing device defines a plurality of apertures adapted for extension of fasteners therethrough in order to attach the fixing device to the heat sink.

4. The fixing assembly as described in claim 1, wherein the fixing assembly comprises two said clips, and two said fixing devices adapted to be secured to opposite sides of the heat sink respectively.

5. The fixing assembly as described in claim 4, wherein said two fixing devices are integrally formed as a single piece.
6. The fixing assembly as described in claim 1, wherein the top plate of the fixing device defines a plurality of fixing holes adapted for extension of fasteners therethrough in order to secure the fan to the fixing device.
7. The fixing assembly as described in claim 1, wherein a first side wall connects the top plate and the supporting plate, and a second side wall depends from the supporting plate.
8. The fixing assembly as described in claim 7, wherein a blocking plate is bent upwardly from the support plate, for preventing the clip from sliding off from the support plate.
9. The fixing assembly as described in claim 1, wherein said two opposite ends of the fixing device form two tabs, the tongues extend inwardly from the tabs, and the tabs and tongues cooperatively define the two through holes thereat.
10. The fixing assembly as described in claim 1, wherein the guiding portion slants downwardly and outwardly.
11. The fixing assembly as described in claim 1, wherein each of the locking arms forms a hook at a distal end thereof.
12. A heat sink assembly comprising:  
a heat sink;

a retention module disposed around the heat sink;

a fixing assembly comprising:

a pair of clips for attaching the heat sink to an electronic package, each of the clips comprising a main body and a operating arm pivotally connected to the main body, two locking arms depending from opposite ends of each of the clips, each of the locking arms forming a slanted guiding portion; and

a fixing device attached to the heat sink, the fixing device forming a plurality of tongues corresponding to the guiding portions of the locking arms for guiding the locking arms to engage with the retention module; and

a fan attached to the fixing device.

13. The heat sink assembly as described in claim 12, wherein the fixing device comprises a top plate on which the fan is secured, a pair of first side walls depending from the top plate, a pair of support plates perpendicularly extending from the first side walls, and a pair of second side walls depending from the support plates.

14. The heat sink assembly as described in claim 13, wherein each of opposite ends of each of the first and second side walls forms a tab, each of the tongues is bent from a corresponding tab, each of the tabs and a corresponding tongue cooperatively define a through hole thereat, and a corresponding locking arm extends through the through hole.

15. The heat sink assembly as described in claim 12, wherein a pair of blocking plates is bent upwardly from the support plates, for preventing the clips sliding off from the support plates.

16. The heat sink assembly as described in claim 12, wherein a hook is formed at

an end of each of the locking arms, and the retention module defines a plurality of locking holes respectively corresponding to the hooks of the locking arms.

17. The heat sink assembly as described in claim 12, wherein the operating arm comprises a handle and a cam portion opposite from the handle.

18. A heat sink assembly comprising:

a retention module defining a first retention device;

an electronic package surrounded by said retention module;

a heat sink intimately seated upon the electronic package;

a fixing device mounted upon the heat sink and including a plate;

a fan seated upon the heat sink and retained by said plate; and

a clip including an elongated main body seated upon and downwardly pressing the fixing device, and at least a locking arm defining a second retention device thereon; wherein

when said clip is deflected in a locking manner, said first retention and said second retention device are coupled to each other, and said clip urges, via said fixing device, said heat sink to move toward and intimately abut against the electronic package.

19. The assembly as described in claim 18, wherein said fixing device is constantly secured to the heat sink.

20. The assembly as described in claim 18, wherein said fixing device is constantly secured to the fan.